

Massachusetts Experience with Beach Nourishment

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Barnstable; Long Beach

Before
Nourishment



Harwich

After
Grading



Offshore Sand Sources: Sand Mining



Chatham

Beneficial Re-use



**Oak Bluffs;
Sylvia State Beach**



Upland Sand Source



Quincy; Wollaston Beach

Photograph provided by MA DCR

Barnstable: Long Beach



Photograph provided by Woods Hole Group

Long Beach: Post Nourishment



Photograph provided by Woods Hole Group

Beneficial Re-Use

Harwich



Chatham



Design Considerations

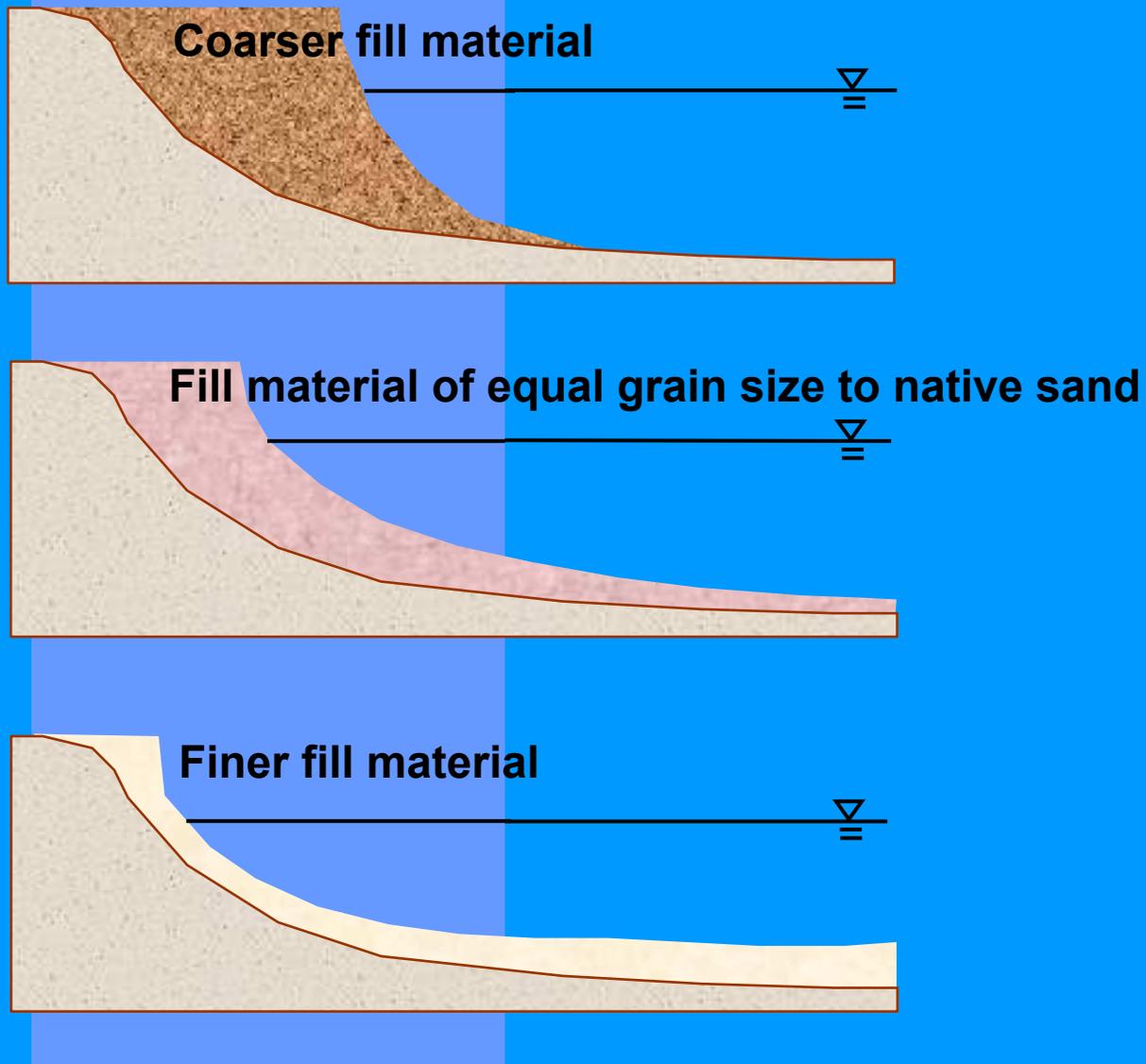
Scituate



Harwich

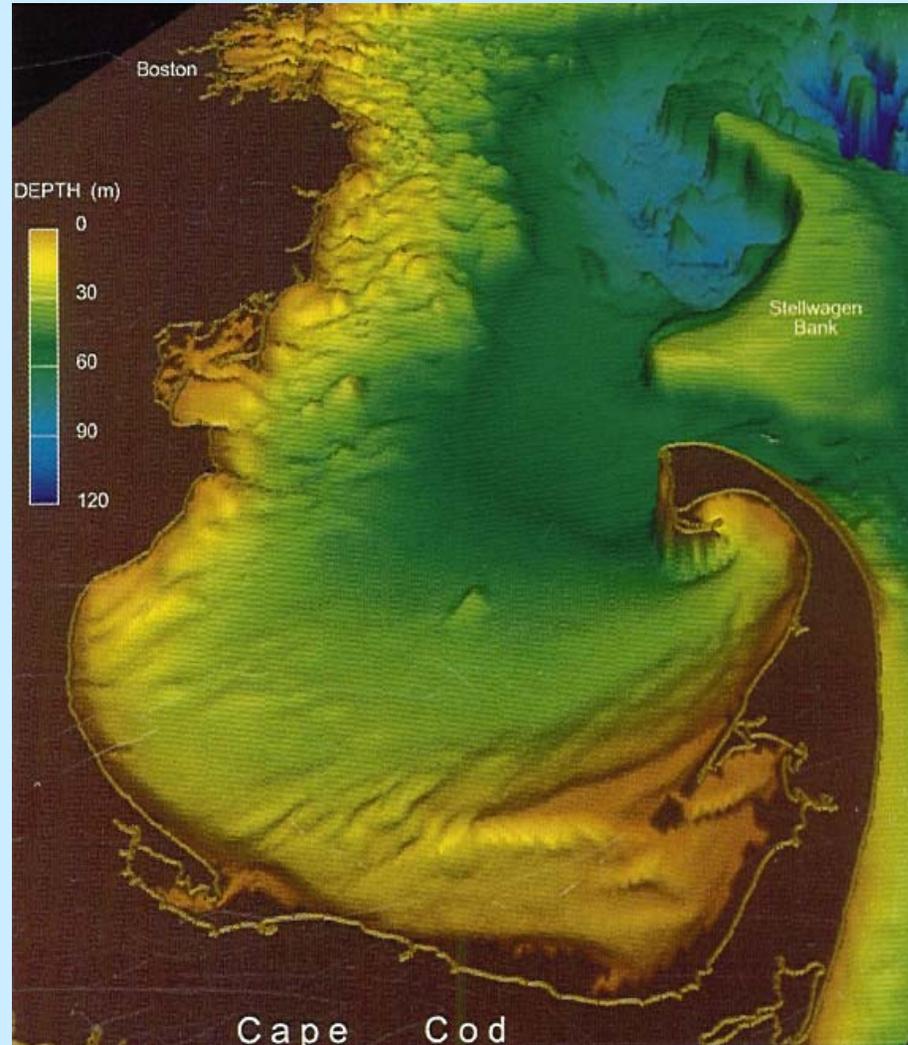


Importance of Grain Size



DRAFT

ASSESSING POTENTIAL ENVIRONMENTAL IMPACTS OF OFFSHORE SAND AND GRAVEL MINING



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Questions?



Barnstable; Long Beach